TENTATIVE

M52892/4GP

HARD DISK DRIVE
Thin Film 4/6-channel Read/Write Amplifier

DESCRIPTION

The M52892/4GP is a bipolar-CMOS IC designed for use with non-center tapped, thin-film heads in 6/4-channel disk drive systems.

This device provides a low-noise read amplifier, current controllable write amplifier, write unsafe detector, power supply voltage detector, and more.

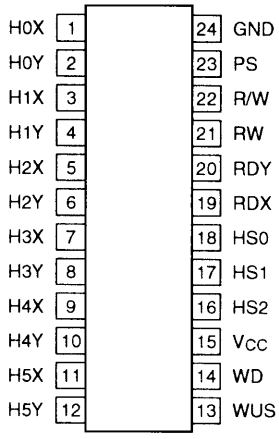
The M52892/4GP requires only +5V power supply and is available in a 24/20-pin VSOP.

FEATURES

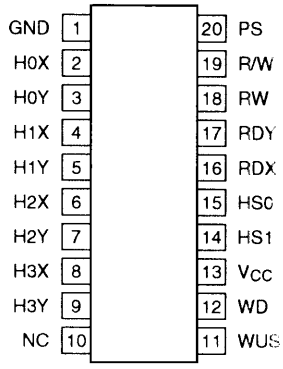
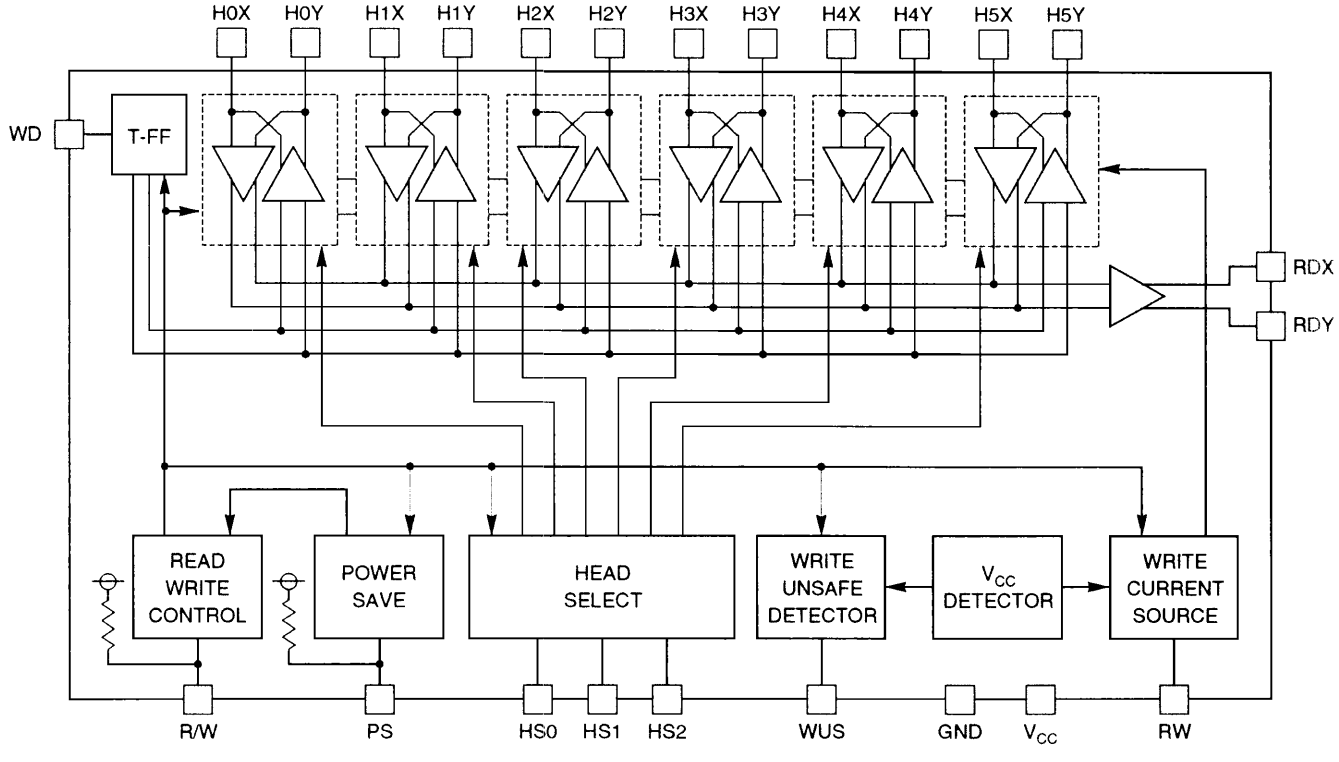
- Low power 100mW(TYP) at read mode
  50mW(TYP) at write mode
- Power saving function 5mW(Max)
- Low input noise (0.52nV/√Hz TYP)
- Low input capacitance (10pF TYP)
- Write unsafe detection
- Power supply fault protection

PIN CONFIGURATION (TOP VIEW)

M52892GP
(6-channel)
24 pin VSOP



M52894GP
(4-channel)
20 pin VSOP



BLOCK DIAGRAM